EQUINOX

www.prolight.co.uk

LIGHTNING STRIKE

Order code: STRO21

User manual

WARNING

FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY BEFORE YOUR INITIAL START-UP!

CAUTION!

Keep this equipment away from rain, moisture and liquids.

SAFETY INSTRUCTIONS

Every person involved with the installation, operation & maintenance of this equipment should:

- Be competent
- Follow the instructions of this manual

CAUTION! TAKE CARE USING THIS EQUIPMENT!
HIGH VOLTAGE-RISK OF ELECTRIC SHOCK!!

Before your initial start-up, please make sure that there is no damage caused during transportation. Should there be any, consult your dealer and do not use the equipment.

To maintain the equipment in good working condition and to ensure safe operation, it is necessary for the user to follow the safety instructions and warning notes written in this manual.

Please note that damages caused by user modifications to this equipment are not subject to warranty.

IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorised modification to the equipment.

- Never let the power-cable come into contact with other cables. Handle the power-cable and all mains voltage connections with particular caution!
- Never remove warning or informative labels from the equipment.
- Do not open the equipment and do not modify the equipment.
- Do not connect this equipment to a dimmer-pack.
- Do not switch the equipment on and off in short intervals, as this will reduce the system's life.
- Only use the equipment indoors.
- Do not expose to flammable sources, liquids or gases.
- Always disconnect the power from the mains when equipment is not in use or before cleaning! Only handle the power-cable by the plug. Never pull out the plug by pulling the power-cable.
- Make sure that the available voltage is between 100V-240V.
- Make sure that the power-cable is never crimped or damaged. Check the equipment and the power-cable periodically.
- If the equipment is dropped or damaged, disconnect the mains power supply immediately. Have a qualified engineer inspect the equipment before operating again.
- If the equipment has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation might damage the equipment. Leave the equipment switched off until it has reached room temperature.
- If your product fails to function correctly, discontinue use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Prolight dealer for service.
- Only use fuses of same type and rating.
- Repairs, servicing and power connection must only be carried out by a qualified technician. THIS UNIT CONTAINS NO USER SERVICEABLE PARTS.
- WARRANTY; One year from date of purchase.

OPERATING DETERMINATIONS

If this equipment is operated in any other way, than those described in this manual, the product may suffer damage and the warranty becomes void.

Incorrect operation may lead to danger e.g.: short-circuit, burns, electric shocks, LED failure etc.

Do not endanger your own safety and the safety of others!
Incorrect installation or use can cause serious damage to people and property.

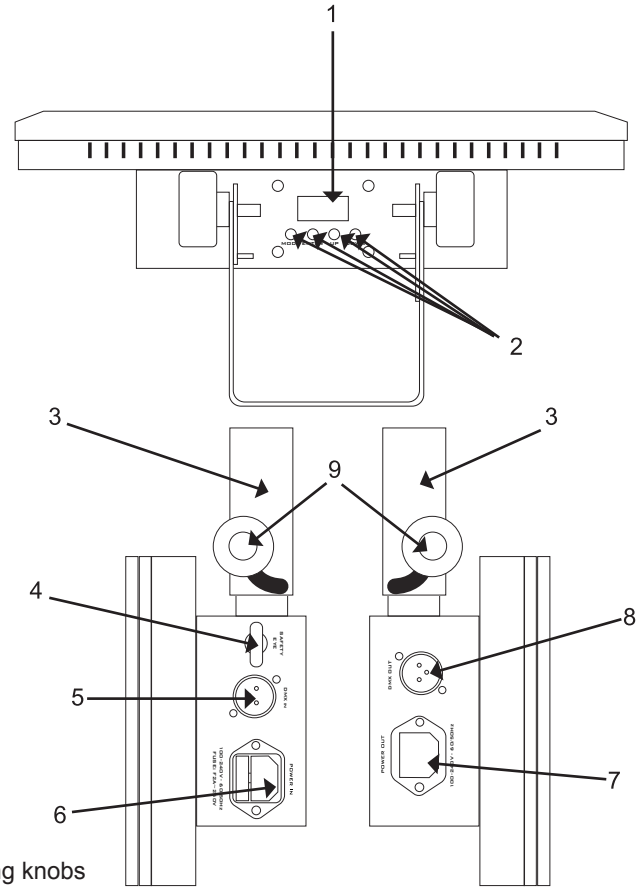
You should find inside the Equinox carton the following items:

1, Equinox Lightning Strike 2, Instruction manual 3, Power cable

Technical Specifications:

- 448 x White SMD LEDs (6900K)
- Beam angle: 160 degrees
- 0-100% dimming and variable strobe
- DMX channels: 1, 1, 4, 6 and 7 selectable
- Static colour, Sound active, auto, master/salve and DMX modes
- 4 push button menu with LED display
- IEC power in/out sockets
- 3-pin XLR in/out sockets
- Convection cooled
- Power supply: 100-240V - 50/60Hz
- Fuse: F2A-250V
- Power consumption: 105W
- Dimensions: 360 x 96x 263mm
- Weight: 3.6Kgs

Overview:



Identification:

1. LED display
2. Function buttons
3. Hanging bracket
4. Safety eye
5. DMX input socket
6. IEC power in socket
7. IEC power out socket
8. DMX output socket
9. Hanging bracket tightening knobs

Operation:

DMX mode:
To access the DMX mode, press the **"MODE"** button to show **"512"** on the LED display. Now press the **"ENTER"** button to set the DMX address from 001-512 using the **"UP"** and **"DOWN"** buttons. To select the one of the four DMX channel modes, press the **"ENTER"** button and use the **"UP"** and **"DOWN"** buttons to select 1, 4, 6 or 7 channel mode.

Confirm your setting by pressing the **"ENTER"** button.

Built-in programmes:
To access the built-in programme mode, press the **"MODE"** button to show **"PR01"** on the LED display. Now to choose one of the three built-in programmes, press the **"ENTER"** button and use the **"UP"** and **"DOWN"** buttons to scroll through PR01, PR02 and PR03. When you are on the desired programme, press the **"ENTER"** button and use the **"UP"** and **"DOWN"** buttons set the desired speed from FS/SP01 to FS/SP15.

In PR03 you can set the brightness of the LEDs once you have set the speed. Press the **"ENTER"** button and use the **"UP"** and **"DOWN"** buttons set the desired brightness from C000-C255.

PR01 - Single flash strobe effect, FS01 - FS15
PR02 - Multiple flash strobe effect, FS01 - FS15
PR03 - 4 segment chase effect, SP01 - SP15, C000 - C255

Note FS01 = slow, FS15 = Fast, SP01 = Slow, SP15 - Fast, C000 = Off, C255 = Full On

Static wash mode
To access the DMX mode, press the **"MODE"** button to show **"CoNS"** on the LED display. Now press the **"ENTER"** button to set the brightness from C000 - C255 using the **UP"** and **"DOWN"** buttons.

Note C000 = Off, C255 = Full On

Sound active mode:
To access the sound mode, press the **"MODE"** button to show **"SoU.1"** on the LED display. Now use the **"UP"** and **"DOWN"** buttons to scroll through the four sound mode options from **"SoU.1**" to **"SoU.4"**.

In **"SoU.1"** and **"SoU.2"** to change the sensitivity, press the **"ENTER"** button to set the sensitivity from SU01 - SU31.

In **"SoU.3"** and **"SoU.4"** to change the sensitivity, press the **"ENTER"** button to set the sensitivity from SU01 - SU31. Now press the **"ENTER"** button and use the **"UP"** and **"DOWN"** buttons to change the brightness from C000 - C255.

SoU.1 - Single flash strobe effect
SoU.2 - 4 segment strobe chase effect
SoU.3 - 4 segment chase effect
SoU.4 - 4 segment strobe and chase effect

Note SU01 = low, SU31 = high, C000 = Off, C255 = Full On

Master/slave mode
To access the master/slave mode, press the **"MODE"** button to show **"SLAv"** on the LED display. The unit will follow in sequence with the master unit set in any one of the above modes.

1 channel DMX chart (dimming):

Channel	Value	Function
1	0-255	Dimming 0 - 100%

1 channel DMX chart (strobe):

Channel	Value	Function
1	0-10	No function
	11-255	Strobe (slow to fast)

4 channel DMX chart:

Channel	Value	Function
1	0-255	Bottom right corner 0-100%
2	0-255	Bottom left corner 0-100%
3	0-255	Top right corner 0-100%
4	0-255	Top left corner 0-100%

6 channel DMX chart:

Channel	Value	Function
1	0-255	Bottom right corner
2	0-255	Bottom left corner
3	0-255	Top right corner
4	0-255	Top left corner
5	0-255	Master dimmer 0-100%
6	0-9	No function
	10-255	Strobe (slow to fast)

7 channel DMX chart (dimming):

Channel	Value	Function
1	0-255	Bottom right corner
2	0-255	Bottom left corner
3	0-255	Top right corner
4	0-255	Top left corner
5	0-255	Master dimmer 0-100%
6	0-39	No function
	40-59	Built-in programme 1
	60-79	Built-in programme 2
	80-99	Built-in programme 3
	100-159	No function
	160-179	Sound active 1
	180-199	Sound active 2
	200-219	Sound active 3
	220-255	Sound active 4
7	0-255	Programme speed / Sound sensitivity

DMX-512:
• DMX (Digital Multiplex) is a universal protocol used as a form of communication between intelligent fixtures and controllers. A DMX controller sends DMX data instructions form the controller to the fixture. DMX data is sent as serial data that travels from fixture to fixture via the DATA “IN” and DATA “OUT” XLR terminals located on all DMX fixtures (most controllers only have a data “out” terminal).

DMX Linking:
• DMX is a language allowing all makes and models of different manufactures to be linked together and operate from a single controller, as long as all fixtures and the controller are DMX compliant. To ensure proper DMX data transmission, when using several DMX fixtures try to use the shortest cable path possible. The order in which fixtures are connected in a DMX line does not influence the DMX addressing. For example; a fixture assigned to a DMX address of 1 may be placed anywhere in a DMX line, at the beginning, at the end, or anywhere in the middle. When a fixture is assigned a DMX address of 1, the DMX controller knows to send DATA assigned to address 1 to that unit, no matter where it is located in the DMX chain.

DATA Cable (DMX cable) requirements (for DMX operation):
• The Equinox Lightning Strike can be controlled via DMX-512 protocol. The DMX address is set on the back of the unit. Your unit and your DMX controller require a standard 3-pin XLR connector for data input/output (figure 1).

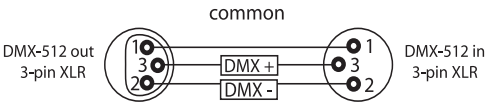
Figure 1

Further DMX cables can be purchased from all good sound and lighting suppliers or Prolight dealers.
Please quote:
CABL10 – 2M
CABL11 – 5M
CABL12 – 10M

Also remember that DMX cable must be daisy chained and cannot be split.

Notice:

• Be sure to follow figures 2 & 3 when making your own cables. Do not connect the cable's shield conductor to the ground lug or allow the shield conductor to come in contact with the XLR's outer casing. Grounding the shield could cause a short circuit and erratic behaviour.



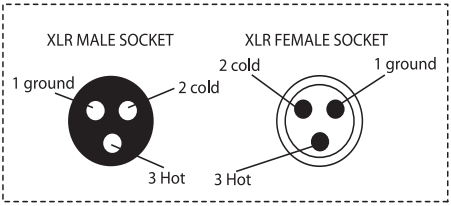


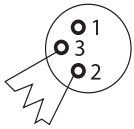
FIGURE 3

XLR Pin Configuration
Pin 1 = Ground
Pin 2 = Negative
Pin 3 = Postive

FIGURE 2

Special Note: Line termination:

• When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behaviour.

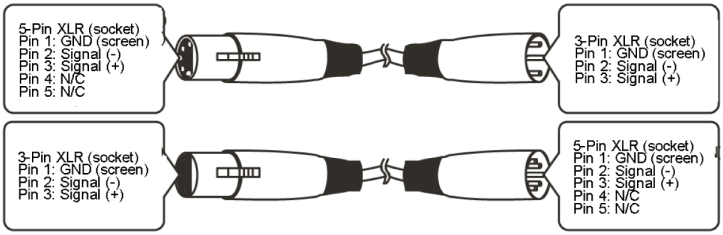


Termination reduces signal transmission problems and interferance. it is always advisable to connect a DMX terminal, (resistance 120 Ohm 1/4 W) between pin 2 (DMX-) and pin 3 (DMX+) of the last fixture.

Using a cable terminator (part number CABL90 3-pin, CABL89 5-pin) will decrease the possibilities of erratic behaviour.

5-Pin XLR DMX Connectors:

• Some manufactures use 5-pin XLR connectors for data transmission in place of 3-pin. 5-Pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5-pin XLR connectors in to a 3-pin line a cable adaptor must be used. The Chart below details the correct cable conversion.



Notes:

Notes:

English

Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with seperate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please seperate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.